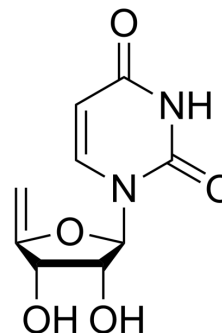


## 4',5'-Didehydro-5'-deoxyuridine

Cat. No.:	HY-77645
CAS No.:	14365-63-0
Molecular Formula:	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	226.19
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (442.11 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	4.4211 mL	22.1053 mL	44.2106 mL	
5 mM	0.8842 mL	4.4211 mL	8.8421 mL	
10 mM	0.4421 mL	2.2105 mL	4.4211 mL	

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

4',5'-Didehydro-5'-deoxyuridine is a purine nucleoside analog. Purine nucleoside analogs have broad antitumor activity targeting indolent lymphoid malignancies. Anticancer mechanisms in this process rely on inhibition of DNA synthesis, induction of apoptosis, etc<sup>[1]</sup>.

### REFERENCES

[1]. Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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